

Listă publicații

Paul Irofti

Cărți

1. B. Dumitrescu and **P. Irofti**, *Algorithms and Applications for Dictionary Learning*, Springer, 2017 (în curs de publicare)

Reviste

1. B. Dumitrescu and **P. Irofti**, “Regularized K-SVD,” *IEEE Signal Processing Letters*, vol. 24, no. 3, pp. 309–313, March 2017
2. **P. Irofti**, “Efficient Dictionary Learning Implementation on the GPU Using OpenCL,” *U.P.B. Scientific Bulletin, Series C*, vol. 78, no. 3, pp. 39–50, 2016
3. **P. Irofti**, “Efficient Parallel Implementation for Single Block Orthogonal Dictionary Learning,” *Journal of Control Engineering and Applied Informatics*, vol. 18, no. 3, pp. 101–108, 2016

Conferințe cu articol

1. **P. Irofti** and F. Stoican, “Dictionary Learning Strategies for Sensor Placement and Leakage Isolation in Water Networks,” in *The 20th World Congress of the International Federation of Automatic Control*, 2017, pp. 1589–1594
2. B. Dumitrescu and **P. Irofti**, “Low Dimensional Subspace Finding via Size-Reducing Dictionary Learning,” in *2016 IEEE International Workshop on Machine Learning for Signal Processing (MLSP)*, 2016, pp. 1–6
3. **P. Irofti** and B. Dumitrescu, “Overcomplete Dictionary Learning with Jacobi Atom Updates,” in *39th International Conference on Telecommunications and Signal Processing*, 2016, pp. 421–424
4. **P. Irofti** and B. Dumitrescu, “Regularized Algorithms for Dictionary Learning,” in *2016 International Conference on Communications (COMM)*, 2016, pp. 439–442
5. **P. Irofti**, “Sparse Denoising with Learned Composite Structured Dictionaries,” in *19th International Conference on System Theory, Control and Computing*, 2015, pp. 331–336
6. **P. Irofti** and B. Dumitrescu, “Cosparsity Dictionary Learning for the Orthogonal Case,” in *19th International Conference on System Theory, Control and Computing*, 2015, pp. 343–347

7. **P. Irofti** and B. Dumitrescu, “Overcomplete Dictionary Design: the Impact of the Sparse Representation Algorithm,” in *The 20th International Conference on Control Systems and Computer Science*, 2015, pp. 901–908
8. **P. Irofti** and B. Dumitrescu, “GPU Parallel Implementation of the Approximate K-SVD Algorithm Using OpenCL,” in *22nd European Signal Processing Conference*, 2014, pp. 271–275

Conferințe și ateliere

1. **P. Irofti** and F. Stoican, “Dictionary Learning Applications in Control Theory,” in *1st Conference on Recent Advances in Artificial Intelligence*, 2017, pp. 1–2
2. **P. Irofti**, “The Effect of Atom Replacement Strategies on Dictionary Learning,” in *International Traveling Workshop on Interactions Between Sparse Models and Technology*, 2016, pp. 10–11
3. **P. Irofti**, “Making OpenBSD Useful on the Octeon Network Gear,” in *European BSD Conference*, 2014
4. **P. Irofti**, “Dynamic Analysis: Knowing When to Stop,” in *Challenges in Analysing Executables: Scalability, Self-Modifying Code and Synergy (Dagstuhl Seminar 14241)*, 2014
5. **P. Irofti**, “Porting OpenBSD on the MIPS64-based Octeon Platforms,” in *BSDCan Conference*, 2014
6. **P. Irofti**, “Emulator Design, Traps and Pitfalls,” in *Analysis of Executables: Benefits and Challenges (Dagstuhl Seminar 12051)*, 2012
7. **P. Irofti**, “On the Linux Compatibility Layer in OpenBSD 5.0,” in *Slackathon Conference*, 2011
8. **P. Irofti**, “OpenBSD’s New Suspend and Resume Framework,” in *European BSD Conference*, 2011

Teze

1. **P. Irofti**, *Parallel Dictionary Learning Algorithms for Sparse Representations*, Ph.D. thesis, University Politehnica of Bucharest, 2015
2. **P. Irofti**, “Image Processing with Wavelet Transformations,” 2008, Bachelor of Science Thesis in Romanian